

Fig.1

CH1	CH2	CH3
CH4	CH5	CH6
CH7	CH8	CH9
CH10	CH11	CH12

Fig.2

CH1	CH2	CH3
CH4	CH5	CH6
CH7	CH8	CH9
CH10	CH11	CH12

Fig.4

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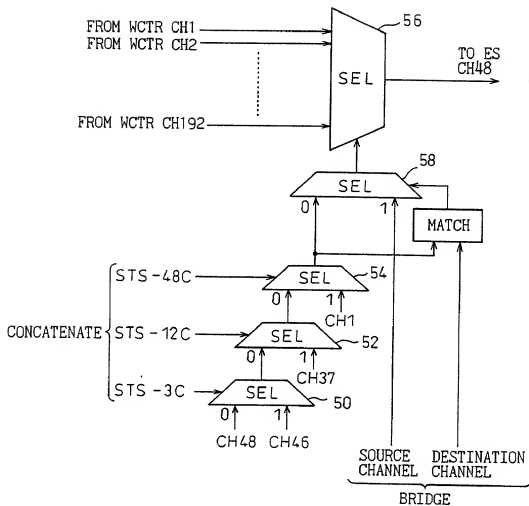
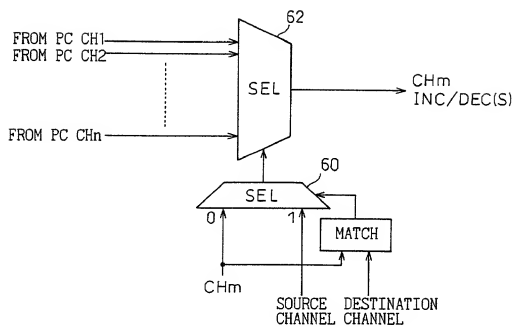


Fig.5



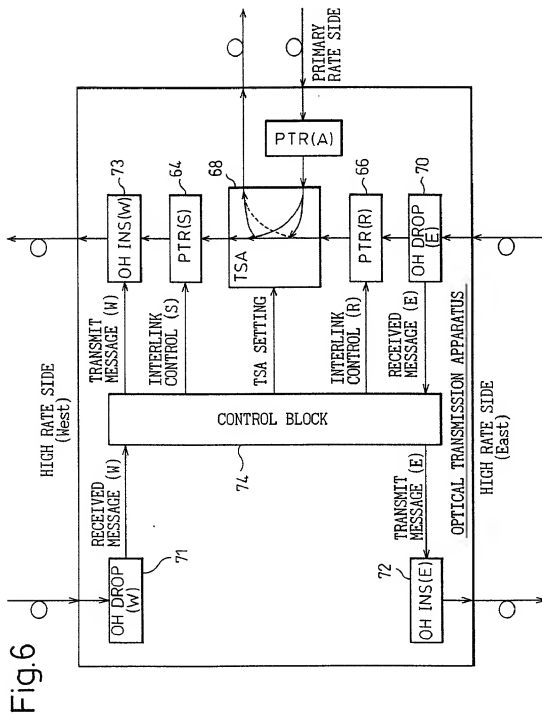
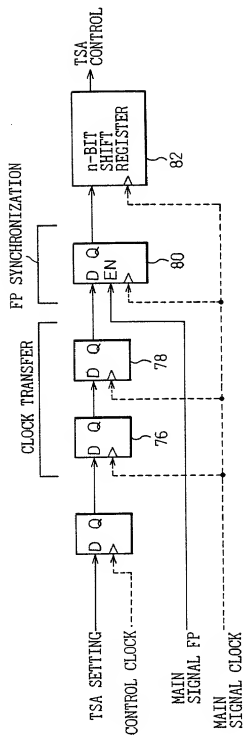


Fig.7



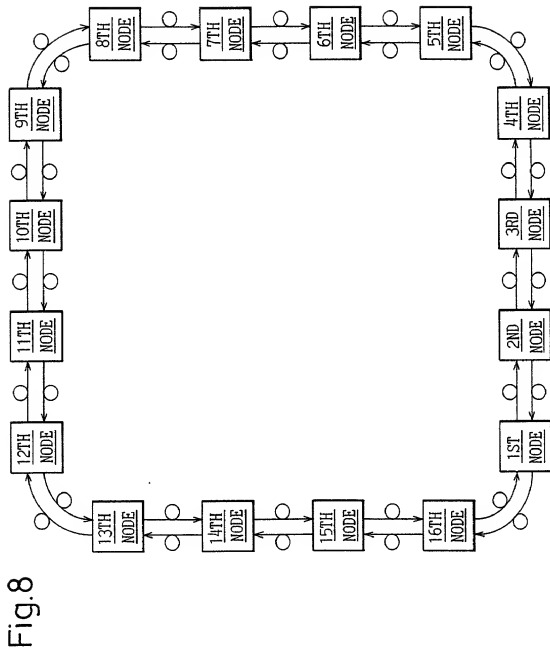


Fig.9

Z1#7								Z1#8							
b1	b2	b3	b4	b5	b6	b7	b8	b1	b2	b3	b4	b5	b6	b7	b8
D7	D6	D5	D4	D3	D2	D1	D0	D7	D6	D5	D4	D3	D2	D1	D0

CODE	SPECIFIES REASSIGNMENT START-POINT NODE	SPECIFIES REASSIGNMENT END-POINT NODE
	(Z1#7)	(Z1#8)
00h	NO REQUEST	NO REQUEST
01h	1ST NODE	1ST NODE
02h	2ND NODE	2ND NODE
⋮	⋮	⋮
FFh	255TH NODE	255TH NODE

1. *Staphylococcus aureus* (10⁸ CFU/ml)
2. *Staphylococcus aureus* (10⁷ CFU/ml)
3. *Staphylococcus aureus* (10⁶ CFU/ml)
4. *Staphylococcus aureus* (10⁵ CFU/ml)
5. *Staphylococcus aureus* (10⁴ CFU/ml)
6. *Staphylococcus aureus* (10³ CFU/ml)
7. *Staphylococcus aureus* (10² CFU/ml)
8. *Staphylococcus aureus* (10¹ CFU/ml)
9. *Staphylococcus aureus* (10⁰ CFU/ml)
10. *Staphylococcus aureus* (10⁻¹ CFU/ml)

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Fig.10

6#1Z

01#1Z

b1	b2	b3	b4	b5	b6	b7	b8	b1	b2	b3	b4	b5	b6	b7	b8
b15	b14	b13	b12	b11	b10	b9		b8	b7	b6	b5	b4	b3	b2	b1

CODE	SPECIFICS SOURCE CHANNEL			CANCEL REQUEST (RESPONSE)
0000h	OC-768	OC-192	OC-48	OC-12
0001h	NO REQUEST/CONNECTION VERIFICATION/CLEAR REQUEST			[RESPONSE]
0002h	SPECIFICS CH1			
	SPECIFICS CH2			
			
000Ch	SPECIFICS CH12			
000Dh	SPECIFICS CH13			
			
0030h	SPECIFICS CH48			
0031h	SPECIFICS CH49			
			
00C0h	SPECIFICS CH192			
00C1h	SPECIFICS CH193			
			
0300h	SPECIFICS CH768			
0301h	NO REQUEST			
			
FFFEh	NO REQUEST			
FFFFh	NO REQUEST			

Fig.11

Z1 #11
 b1 b2 b3 b4 b5 b6 b7 b8 b1 b2 b3 b4 b5 b6 b7 b8
 D15 D14 D13 D12 D11 D10 D9 D8 D7 D6 D5 D4 D3 D2 D1 D0

CODE		SPECIFICS DESTINATION CHANNEL			
		OC-768	OC-192	OC-48	OC-12
0000h		NO REQUEST/CONNECTION VERIFICATION/CLEAR REQUEST [RESPONSE]			
0001h		SPECIFICS CH1			
0002h		SPECIFICS CH2			
⋮		⋮			
000Ch		SPECIFICS CH12			
000Dh		SPECIFICS CH13			
⋮		⋮			
0030h		SPECIFICS CH48			
0031h		SPECIFICS CH49			
⋮		⋮			
00C0h		SPECIFICS CH192			
00C1h		SPECIFICS CH193			
⋮		⋮			
0300h		SPECIFICS CH768			
0301h		NO REQUEST			
⋮		⋮			
FFFEh		NO REQUEST			
FFFFh		CANCEL REQUEST [RESPONSE]			

NO REQUEST

NO REQUEST

NO REQUEST

NO REQUEST

Fig.12

	PROTOCOL	Z1#7	Z1#8	Z1#9 - #10	Z1#11- #12
		START-POINT NODE	END-POINT NODE	SOURCE CHANNEL	DESTINATION CHANNEL
A	NO REQUEST (STANDBY STATE)	00h	00h	0000h	0000h
B	CONNECTION VERIFICATION [TRANSMIT]	START-POINT NODE	END-POINT NODE	0000h	0000h
C	REASSIGNMENT REQUEST [TRANSMIT] (INTERLINK OPERATION AND SWITCHING)	START-POINT NODE	END-POINT NODE	SOURCE CH	DESTINATION CH
D	CLEAR REQUEST [RESPONSE] (NORMAL TERMINATION RESPONSE)	START-POINT NODE	END-POINT NODE	0000h	0000h
E	CANCEL REQUEST [RESPONSE] (ABNORMAL TERMINATION RESPONSE)	START-POINT NODE	INTERMEDIATE NODE	FFFFh	FFFFh

Fig.13

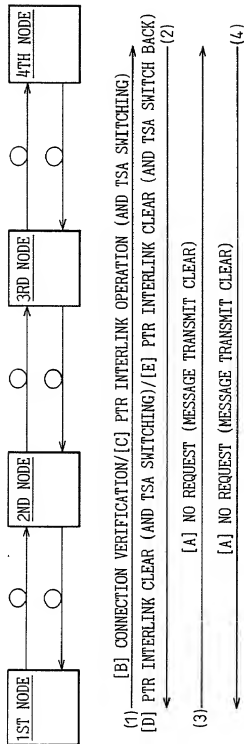


Fig.14

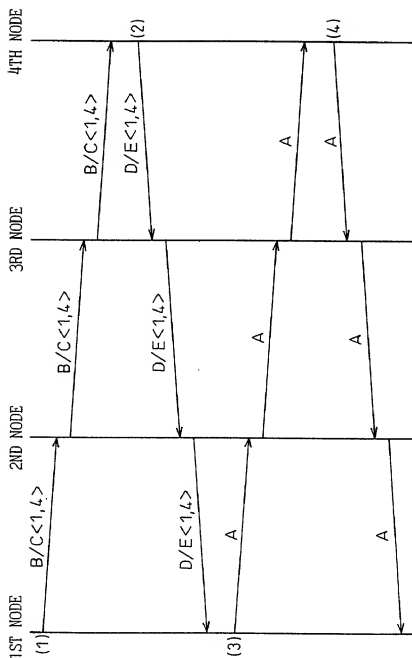


Fig.15

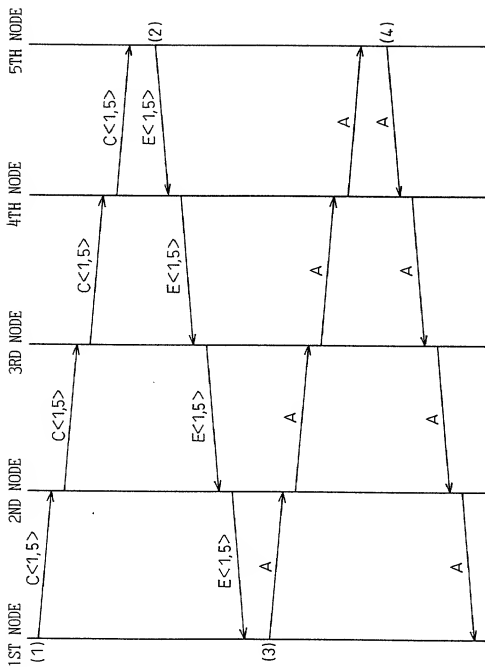


Fig.16

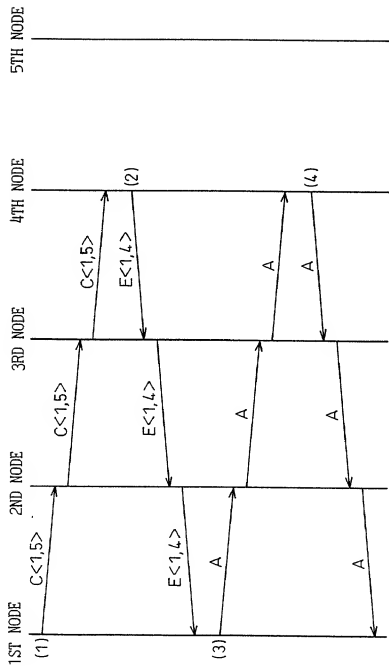


Fig.17

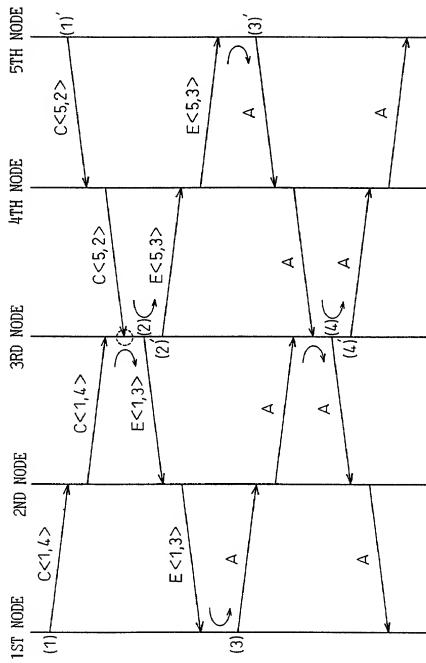


Fig.18

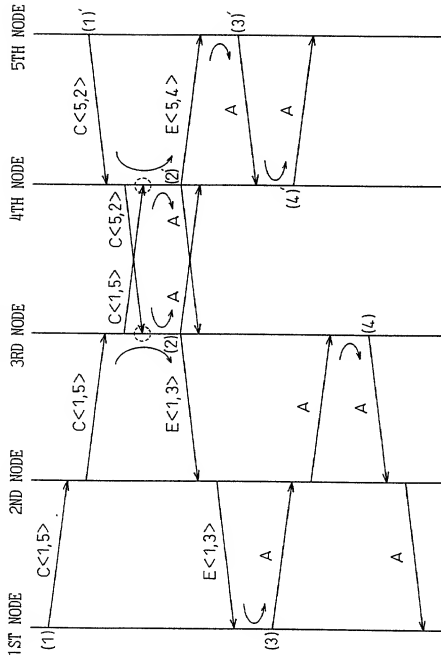


Fig.19

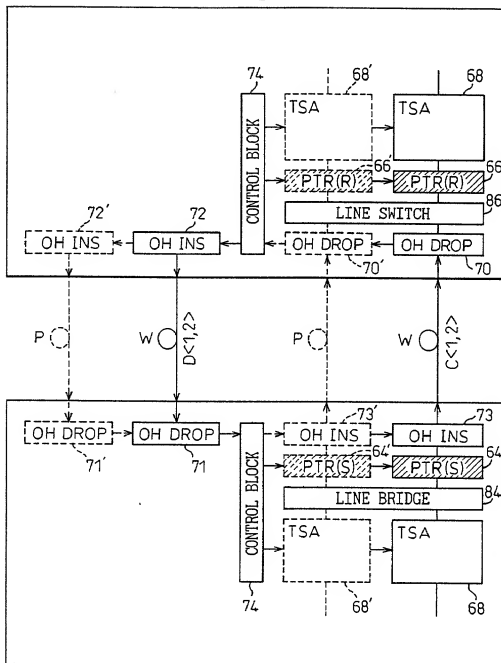
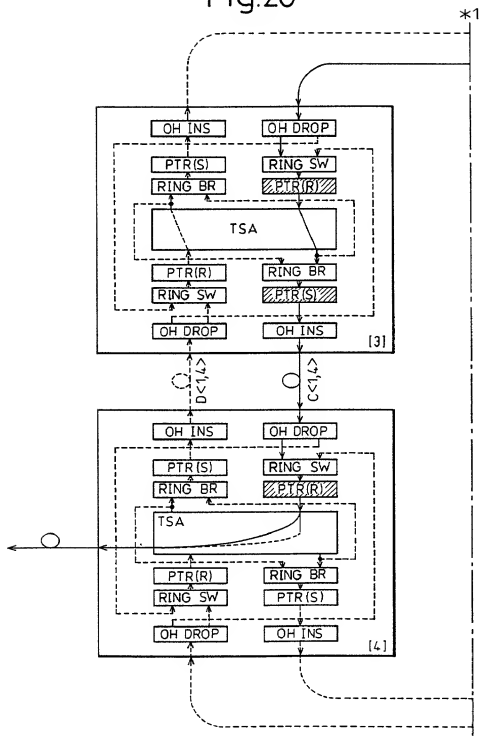


Fig.20



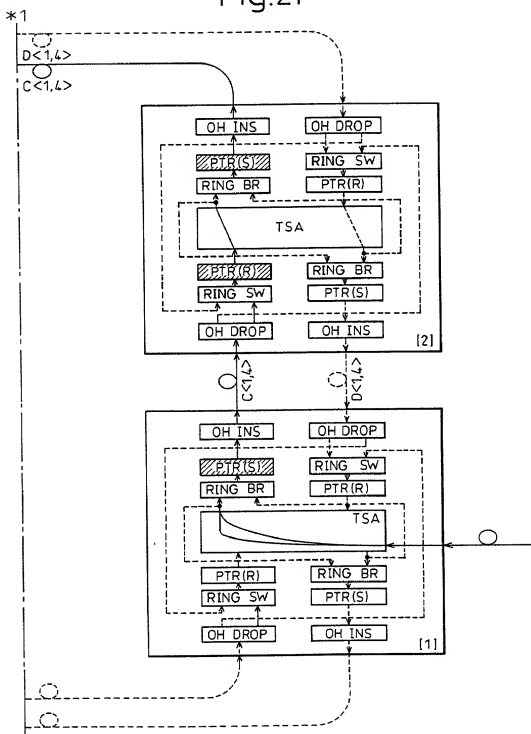


Fig.22

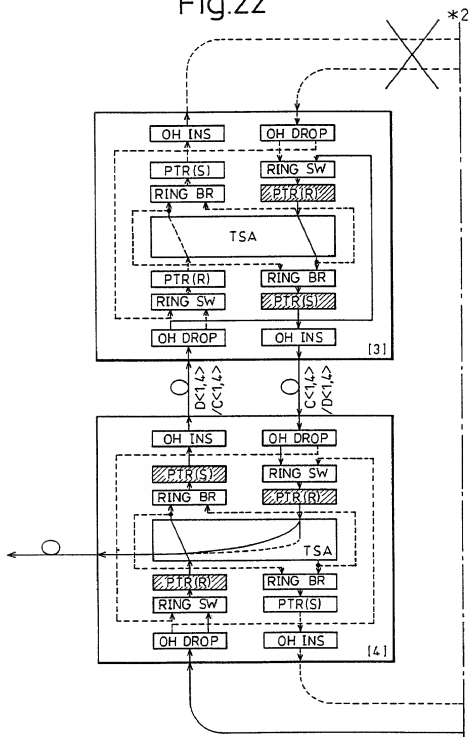
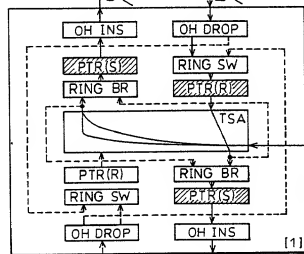
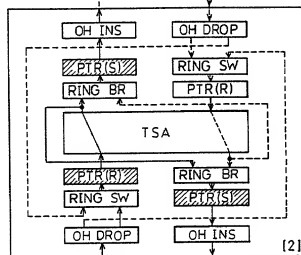


Fig.23

*2

$D<1,L>$
 $C<1,L>$



$D<1,L>$
 $C<1,L>$

Fig.24

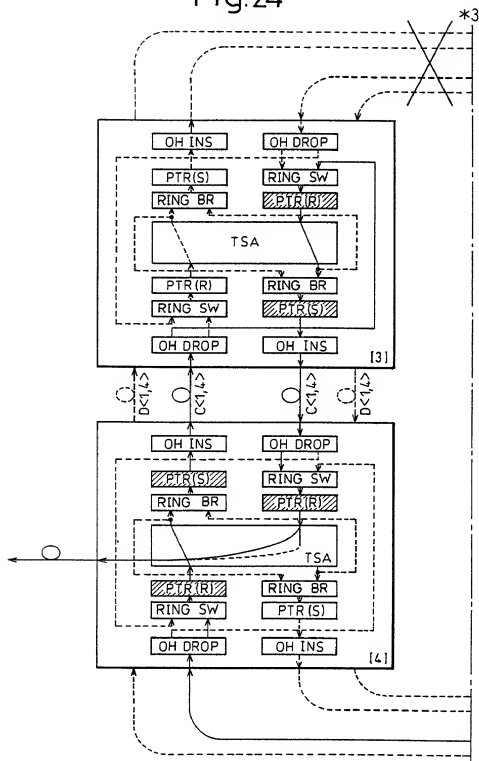
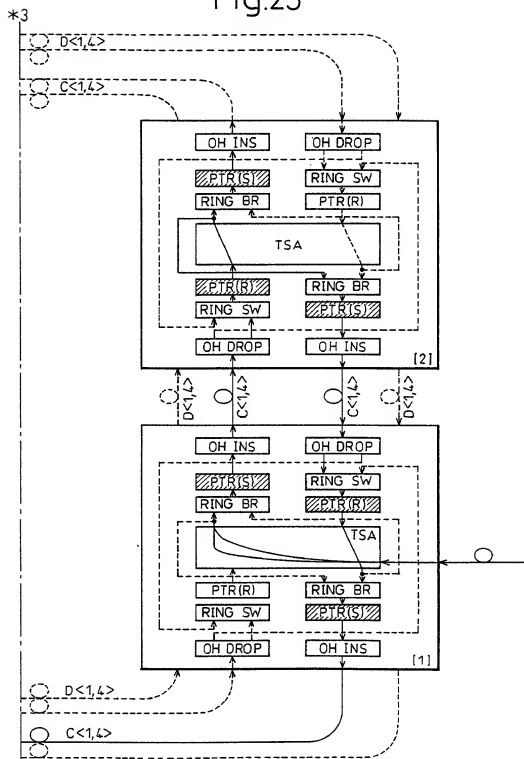


Fig.25



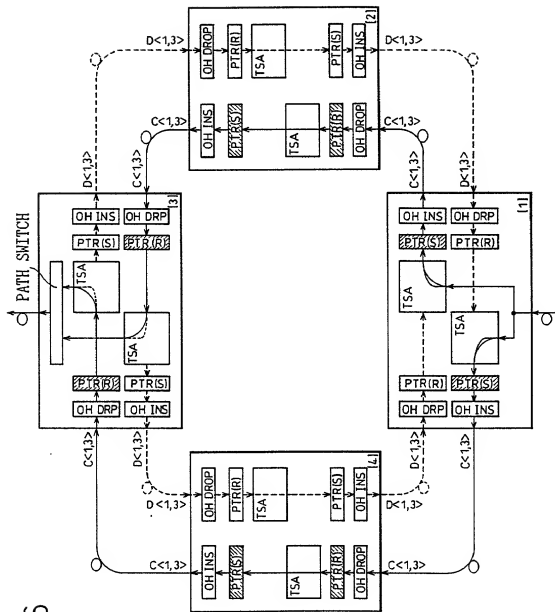


Fig 26

